

SCORE Search Results Details for Application 10529592 and Search Result 20090516_085920_us-10-529-592a-1.rnpbm.

| | | | | |
|----------------------------|--------------------------------------|------------------------------|-----------------------|-----------------------------|
| Score Home | Retrieve Application | SCORE System | SCORE | Comments / |
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This page gives you Search Results detail for the Application 10529592 and Search Result 20090516_085920_us-10-529-592a-1.rnpbm.

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GenCore version 6.3
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OM nucleic - nucleic search, using sw model

Run on: May 19, 2009, 20:01:53 ; Search time 10467 Seconds
(without alignments)
2428.649 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 41078765 seqs, 14427166270 residues

Total number of hits satisfying chosen parameters: 82157530

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| | 1 | 881 | 100.0 | 881 | 16 | US-10-529-592-1 | Sequence 1, Appli |
| | 2 | 827 | 93.9 | 893 | 16 | US-10-529-592-3 | Sequence 3, Appli |
| | 3 | 827 | 93.9 | 908 | 28 | US-11-443-428A-91955 | Sequence 91955, A |
| c | 4 | 809.8 | 91.9 | 972 | 28 | US-11-443-428A-91957 | Sequence 91957, A |
| | 5 | 694.2 | 78.8 | 963 | 19 | US-10-302-689A-104480 | Sequence 104480, A |
| | 6 | 694.2 | 78.8 | 1237 | 28 | US-11-443-428A-91954 | Sequence 91954, A |
| | 7 | 694.2 | 78.8 | 1239 | 27 | US-11-433-832-45208 | Sequence 45208, A |
| | 8 | 694.2 | 78.8 | 1408 | 28 | US-11-443-428A-91956 | Sequence 91956, A |
| | 9 | 677.2 | 76.9 | 995 | 28 | US-11-443-428A-91958 | Sequence 91958, A |
| c | 10 | 611 | 69.4 | 614 | 8 | US-10-172-118-2531 | Sequence 2531, Ap |
| c | 11 | 611 | 69.4 | 614 | 9 | US-10-342-887-2531 | Sequence 2531, Ap |
| | 12 | 584 | 66.3 | 601 | 19 | US-10-302-689A-6733 | Sequence 6733, Ap |
| | 13 | 584 | 66.3 | 601 | 19 | US-10-302-689A-48447 | Sequence 48447, A |
| | 14 | 433 | 49.1 | 447 | 33 | US-11-996-839-168 | Sequence 168, App |
| | 15 | 367 | 41.7 | 574 | 3 | US-09-954-456-566 | Sequence 566, App |
| | 16 | 367 | 41.7 | 574 | 11 | US-10-843-641A-3593 | Sequence 3593, Ap |
| | 17 | 367 | 41.7 | 574 | 31 | US-11-881-252-3593 | Sequence 3593, Ap |
| | 18 | 246.4 | 28.0 | 266 | 28 | US-11-443-428A-725084 | Sequence 725084, A |
| | 19 | 193 | 21.9 | 195 | 25 | US-11-371-354-2318 | Sequence 2318, Ap |
| | 20 | 193 | 21.9 | 195 | 25 | US-11-371-354-8104 | Sequence 8104, Ap |
| | 21 | 193 | 21.9 | 195 | 25 | US-11-371-354-69026 | Sequence 69026, A |
| | 22 | 147.2 | 16.7 | 550 | 8 | US-10-029-386-10605 | Sequence 10605, A |
| | 23 | 145 | 16.5 | 2300 | 29 | US-11-636-385-16685 | Sequence 16685, A |
| | 24 | 144 | 16.3 | 170 | 8 | US-10-029-386-24305 | Sequence 24305, A |
| | 25 | 105.4 | 12.0 | 2721 | 7 | US-10-000-256A-15 | Sequence 15, Appl |
| c | 26 | 75.4 | 8.6 | 763 | 10 | US-10-363-345A-13765 | Sequence 13765, A |
| | 27 | 75.4 | 8.6 | 763 | 10 | US-10-363-345A-13766 | Sequence 13766, A |
| c | 28 | 75.4 | 8.6 | 763 | 11 | US-10-363-483A-13765 | Sequence 13765, A |

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|---|----|------|-----|---------|----|-----------------------|-------------------|
| | 29 | 75.4 | 8.6 | 763 | 11 | US-10-363-483A-13766 | Sequence 13766, A |
| | 30 | 64 | 7.3 | 64 | 25 | US-11-511-035-11872 | Sequence 11872, A |
| | 31 | 64 | 7.3 | 64 | 25 | US-11-511-035-14449 | Sequence 14449, A |
| | 32 | 64 | 7.3 | 64 | 25 | US-11-511-035-97916 | Sequence 97916, A |
| | 33 | 49.8 | 5.7 | 2000 | 5 | US-09-887-272A-5263 | Sequence 5263, Ap |
| | 34 | 49.2 | 5.6 | 2441 | 15 | US-10-449-902-13397 | Sequence 13397, A |
| | 35 | 49 | 5.6 | 763 | 10 | US-10-363-345A-13767 | Sequence 13767, A |
| c | 36 | 49 | 5.6 | 763 | 10 | US-10-363-345A-13768 | Sequence 13768, A |
| | 37 | 49 | 5.6 | 763 | 11 | US-10-363-483A-13767 | Sequence 13767, A |
| c | 38 | 49 | 5.6 | 763 | 11 | US-10-363-483A-13768 | Sequence 13768, A |
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| c | 41 | 48 | 5.4 | 435 | 4 | US-09-925-065A-489708 | Sequence 489708, |
| c | 42 | 48 | 5.4 | 435 | 5 | US-09-925-065A-489708 | Sequence 489708, |
| | 43 | 48 | 5.4 | 491 | 4 | US-09-925-065A-476799 | Sequence 476799, |
| | 44 | 48 | 5.4 | 491 | 5 | US-09-925-065A-476799 | Sequence 476799, |
| c | 45 | 48 | 5.4 | 573 | 4 | US-09-925-065A-489707 | Sequence 489707, |

ALIGNMENTS

RESULT 1

US-10-529-592-1

; Sequence 1, Application US/10529592

; Publication No. US20060270619A1

; GENERAL INFORMATION:

; APPLICANT: Nakamura, Yusuke

; APPLICANT: Katagiri, Toyomasa

; APPLICANT: Oncotherapy Science, Inc.

; APPLICANT: The University of Tokyo

; TITLE OF INVENTION: GENES AND POLYPEPTIDES RELATING TO HUMAN

; TITLE OF INVENTION: PANCREATIC CANCERS

; FILE REFERENCE: 082368-003610US

; CURRENT APPLICATION NUMBER: US/10/529,592

; CURRENT FILING DATE: 2005-03-29

; PRIOR APPLICATION NUMBER: PCT/JP2003/011713

; PRIOR FILING DATE: 2003-09-12

; PRIOR APPLICATION NUMBER: US 60/414,872

; PRIOR FILING DATE: 2002-09-30

; PRIOR APPLICATION NUMBER: US 60/450,889

; PRIOR FILING DATE: 2003-02-28

; NUMBER OF SEQ ID NOS: 28

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 881

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (163)...(390)

US-10-529-592-1

Query Match 100.0%; Score 881; DB 16; Length 881;

Best Local Similarity 100.0%; Pred. No. 1.4e-243;

Matches 881; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| Db | 1 | GGGCCATGACCCCCGCTGCTCTGTCTTGACAGGCTCGTCGCCGCGGCCCCCGAGCCCGAC | 60 |
| Qy | 61 | CGCCGCGGCCACCAACCACAGCGCCCGGGCGGGCTCGCGCGCCTCGGGCGCGGCTCCGC | 120 |
| Db | 61 | CGCCGCGGCCACCAACCACAGCGCCCGGGCGGGCTCGCGCGCCTCGGGCGCGGCTCCGC | 120 |
| Qy | 121 | AGTGAGCCCCAAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 180 |
| Db | 121 | AGTGAGCCCCAAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 180 |
| Qy | 181 | TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC | 240 |
| Db | 181 | TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCC | 240 |
| Qy | 241 | GTCCTGAACGACAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG | 300 |
| Db | 241 | GTCCTGAACGACAGCACCTGGACGTGCCCGACATCATCATCAGCCCCCACCACCCACG | 300 |
| Qy | 301 | GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGTCGTGC | 360 |
| Db | 301 | GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGTCGTGC | 360 |
| Qy | 361 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 420 |
| Db | 361 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 420 |
| Qy | 421 | CTCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG | 480 |
| Db | 421 | CTCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG | 480 |
| Qy | 481 | CTGAATACCTCGATGGGAAGTGAAGCAACCGGGCTCCGCTCAGAGACGTGGCAGG | 540 |
| Db | 481 | CTGAATACCTCGATGGGAAGTGAAGCAACCGGGCTCCGCTCAGAGACGTGGCAGG | 540 |
| Qy | 541 | ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGAGTG | 600 |
| Db | 541 | ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGAGTG | 600 |
| Qy | 601 | GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCTGGTGAAAGGGAGCGCA | 660 |
| Db | 601 | GACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCTGGTGAAAGGGAGCGCA | 660 |
| Qy | 661 | TGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCCAG | 720 |
| Db | 661 | TGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCCAG | 720 |
| Qy | 721 | CCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGG | 780 |
| Db | 721 | CCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGG | 780 |
| Qy | 781 | TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGAAACAGTCCAAAATGGGATTT | 840 |
| Db | 781 | TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGAAACAGTCCAAAATGGGATTT | 840 |
| Qy | 841 | ATAATTTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC | 881 |

Db 841 ATAATTTCTTTTGCATTATAAATAAGATCCTCTGTAAC 881

RESULT 2

US-10-529-592-3

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; Sequence 3, Application US/10529592
; Publication No. US20060270619A1
; GENERAL INFORMATION:
; APPLICANT: Nakamura, Yusuke
; APPLICANT: Katagiri, Toyomasa
; APPLICANT: Oncotherapy Science, Inc.
; APPLICANT: The University of Tokyo
; TITLE OF INVENTION: GENES AND POLYPEPTIDES RELATING TO HUMAN
; TITLE OF INVENTION: PANCREATIC CANCERS
; FILE REFERENCE: 082368-003610US
; CURRENT APPLICATION NUMBER: US/10/529,592
; CURRENT FILING DATE: 2005-03-29
; PRIOR APPLICATION NUMBER: PCT/JP2003/011713
; PRIOR FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: US 60/414,872
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US 60/450,889
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 893
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (197)...(256)
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US-10-529-592-3

Query Match 93.9%; Score 827; DB 16; Length 893;
 Best Local Similarity 97.5%; Pred. No. 6.le-228;
 Matches 859; Conservative 0; Mismatches 0; Indels 22; Gaps 1;

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Qy 181 TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCCC 240
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Qy 241 GTCCTGAACGACAGACACCTGGACGTGCCCGACATCATCATCACGCCCCCACCACCCACG 300
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| Db | 313 | GGCATGATGCTGCCGAGGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC | 372 |
| Qy | 361 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 420 |
| Db | 373 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 432 |
| Qy | 421 | CTCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG | 480 |
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| Qy | 481 | CTGAATACCTCGATGGGAAGTCTGAGCGAACCCTGGGCTCCGCTCAGAGACGTGGCAGG | 540 |
| Db | 493 | CTGAATACCTCGATGGGAAGTCTGAGCGAACCCTGGGCTCCGCTCAGAGACGTGGCAGG | 552 |
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| Qy | 661 | TGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG | 720 |
| Db | 673 | TGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG | 732 |
| Qy | 721 | CCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGG | 780 |
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| Qy | 781 | TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT | 840 |
| Db | 793 | TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT | 852 |
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| Db | 853 | ATAATTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC | 893 |

RESULT 3

US-11-443-428A-91955

; Sequence 91955, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hanqing

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen

```

; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91955
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-443-428A-91955

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Query Match 93.9%; Score 827; DB 28; Length 908;
 Best Local Similarity 97.5%; Pred. No. 6.2e-228;
 Matches 859; Conservative 0; Mismatches 0; Indels 22; Gaps 1;

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| | | | |
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| Qy | 61 | CGCCGCCGCCACCAACCACGAGCGCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC | 120 |
| | | | |
| Db | 107 | CGCCGCCGCCACCAACCACGAGCGCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC | 166 |
| Qy | 121 | AGTGAGCCCAAGAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 180 |
| | | | |
| Db | 167 | AGTGAGCCCAAGAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 226 |
| Qy | 181 | TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC | 240 |
| | | | |
| Db | 227 | TGCCTGAA-----AGCAGCAGCAGCAGCCACGACGAGGCCCCC | 264 |
| Qy | 241 | GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCACCCCCACG | 300 |
| | | | |
| Db | 265 | GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCACCCCCACG | 324 |
| Qy | 301 | GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC | 360 |
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| | | | |
| Db | 385 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 444 |
| Qy | 421 | CTCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG | 480 |
| | | | |
| Db | 445 | CTCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTG | 504 |
| Qy | 481 | CTGAATACCCCTGGATGGGAAGTGAAGCAACCGGGCCTCCGCTCAGAGAGACGTGGCAGG | 540 |
| | | | |
| Db | 505 | CTGAATACCCCTGGATGGGAAGTGAAGCAACCGGGCCTCCGCTCAGAGAGACGTGGCAGG | 564 |
| Qy | 541 | ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCACGAGGCCCGCTGAGTG | 600 |
| | | | |
| Db | 565 | ACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCACGAGGCCCGCTGAGTG | 624 |

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Qy      661 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 720
      |||
Db      685 TGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAG 744

Qy      721 CCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAATTCTTGCAGG 780
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Db      745 CCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAATTCTTGCAGG 804

Qy      781 TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT 840
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Db      805 TGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGATTT 864

Qy      841 ATAATTTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC 881
      |||
Db      865 ATAATTTCTTTTTTGCAATTATAAATAAAGATCCTCTGTAAC 905

```

RESULT 4

US-11-443-428A-91957

; Sequence 91957, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hangqiang

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen

; APPLICANT: Azar, Idit

; APPLICANT: Bernstein, Jeanne

; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES

; FILE REFERENCE: 02/23929

; CURRENT APPLICATION NUMBER: US/11/443,428A

; CURRENT FILING DATE: 2006-05-31

; NUMBER OF SEQ ID NOS: 1034312

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 91957

; LENGTH: 972

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-443-428A-91957

Query Match 91.9%; Score 809.8; DB 28; Length 972;

Best Local Similarity 94.1%; Pred. No. 6e-223;

Matches 869; Conservative 0; Mismatches 12; Indels 42; Gaps 1;

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Qy      1 GGGCCATGACCCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGGCCCCCGAGCCCGAC 60
      |||
Db      47 GGGCCATGACCCCCGCTGCTCTGTCTTGCAAGGCTCGTCGCCGCGGGCCCCCGAGCCCGAC 106

```


| | | | |
|----|-----|--|-----|
| Qy | 61 | CGCCGCGCCACCAACCACCAAGCGCCCGGGCGGGCTCGCGCGCCTCGGGCGCGGCTCCGC | 120 |
| Db | 107 | CGCCGCGCCACCAACCACCAAGCGCCCGGGCGGGCTCGCGCGCCTCGGGCGCGGCTCCGC | 166 |
| Qy | 121 | AGTGAGCCCAACAAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 180 |
| Db | 167 | AGTGAGCCCAACAAGAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 226 |
| Qy | 181 | TGCCTGAAAG-----GCTTTCAA | 198 |
| Db | 227 | TGCCTGAAAGACGCGGTTTTTCATCTGTGATGCGGGACAGCTGCGCTCCTTGCTGCGAG | 286 |
| Qy | 199 | ATGTGTGTGACGAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCTGAACGACAAGCAC | 258 |
| Db | 287 | GCGTCAGGACCCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCTGAACGACAAGCAC | 346 |
| Qy | 259 | CTGGACGTGCCCGACATCATCATCAGCCCCACCCACGGGCATGATGCTGCCGAGG | 318 |
| Db | 347 | CTGGACGTGCCCGACATCATCATCAGCCCCACCCACGGGCATGATGCTGCCGAGG | 406 |
| Qy | 319 | GACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGTCGTGCCAGATGATGGAGAAATC | 378 |
| Db | 407 | GACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGTCGTGCCAGATGATGGAGAAATC | 466 |
| Qy | 379 | GACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCC | 438 |
| Db | 467 | GACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCC | 526 |
| Qy | 439 | GGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCTGGATGGG | 498 |
| Db | 527 | GGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCTGGATGGG | 586 |
| Qy | 499 | AACTGAGCGAACC CGGCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGC | 558 |
| Db | 587 | AACTGAGCGAACC CGGCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGC | 646 |
| Qy | 559 | CTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACC | 618 |
| Db | 647 | CTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACC | 706 |
| Qy | 619 | TCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGG | 678 |
| Db | 707 | TCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGG | 766 |
| Qy | 679 | TCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAA | 738 |
| Db | 767 | TCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAA | 826 |
| Qy | 739 | CACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGGTGGATGGCTGTTTTTA | 798 |
| Db | 827 | CACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGACAGGTGGATGGCTGTTTTTA | 886 |
| Qy | 799 | TAAGTTGTTTACAGATACGGAACAGTCCAAAATGGGATTATAATTTCTTTTTGCAT | 858 |
| Db | 887 | TAAGTTGTTTACAGATACGGAACAGTCCAAAATGGGATTATAATTTCTTTTTGCAT | 946 |

Qy 859 TATAAATAAAGATCCTCTGTAAC 881
 |||
 Db 947 TATAAATAAAGATCCTCTGTAAC 969

RESULT 5

US-10-302-689A-104480/c
 ; Sequence 104480, Application US/10302689A
 ; Publication No. US20080050393A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Ballinger, Dennis
 ; APPLICANT: Labat, Ivan
 ; APPLICANT: Leshkowitz, Dena
 ; APPLICANT: Liu, Jin
 ; APPLICANT: Loeb, Deborah
 ; APPLICANT: Montgomery, Julia, R.
 ; APPLICANT: Pace, Ann M.
 ; APPLICANT: Sheridan, James P.
 ; APPLICANT: Drmanac, Radoje T.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 ; FILE REFERENCE: 502CIP
 ; CURRENT APPLICATION NUMBER: US/10/302,689A
 ; CURRENT FILING DATE: 2002-11-22
 ; PRIOR APPLICATION NUMBER: 10/273,573
 ; PRIOR FILING DATE: 2002-10-18
 ; PRIOR APPLICATION NUMBER: 10/084,643
 ; PRIOR FILING DATE: 2002-02-26
 ; PRIOR APPLICATION NUMBER: 09/989,660
 ; PRIOR FILING DATE: 2001-11-21
 ; PRIOR APPLICATION NUMBER: 10/014,487
 ; PRIOR FILING DATE: 2001-11-08
 ; PRIOR APPLICATION NUMBER: 09/952,981
 ; PRIOR FILING DATE: 2001-09-14
 ; PRIOR APPLICATION NUMBER: 09/922,279
 ; PRIOR FILING DATE: 2001-08-03
 ; PRIOR APPLICATION NUMBER: 09/905,059
 ; PRIOR FILING DATE: 2001-07-12
 ; PRIOR APPLICATION NUMBER: 09/898,888
 ; PRIOR FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: 09/919,002
 ; PRIOR FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: 09/770,160
 ; PRIOR FILING DATE: 2001-01-26
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 158931
 ; SOFTWARE: pt_SEQ_genes Version 1.0
 ; SEQ ID NO 104480
 ; LENGTH: 963
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(963)
 ; OTHER INFORMATION: n = a,t,c or g
 US-10-302-689A-104480

Qy 175 ATGTCTCGCTGAAAGGCCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAG 234
| | | |
Db 715 ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAG 656

Qy 235 GCCCCCGTCTTGAAACGACAAGCACCTGGACGTGCCGACATCATCATCAGCCCCCCCACC 294
| | | |
Db 655 GCCCCCGTCTTGAAACGACAAGCACCTGGACGTGCCGACATCATCATCAGCCCCCCCACC 596

Qy 295 CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 354
| | | |
Db 595 CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 536

Qy 355 TCGTGGCCAGATGATGGAGAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT 414
| | | |
Db 535 TCGTGGCCAGATGATGGAGAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT 476

Qy 415 GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA 474
| | | |
Db 475 GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA 416

Qy 475 GGTGTGCTGAATACCCTGGATGGGAACAGCAGAACCCGGGCCCTCCGCTCAGAGAGACGT 534
| | | |
Db 415 GGTGTGCTGAATACCCTGGATGGGAACAGCAGAACCCGGGCCCTCCGCTCAGAGAGACGT 356

Qy 535 GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTTCCAGGCCCCGC 594
| | | |
Db 355 GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTTCCAGGCCCCGC 296

Qy 595 TGAGTGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 654
| | | |
Db 295 TGAGTGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 236

Qy 655 GCGCCATTGGTCTTGCTGTGGGGTCCAGGGAGAGGCTCTCTCTGGACAAAACACACCC 714
| | | |
Db 235 GCGCCATTGGTCTTGCTGTGGGGTCCAGGGAGAGGCTCTCTCTGGACAAAACACACCC 176

Qy 715 TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT 774
| | | |
Db 175 TCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT 116

Qy 775 TGCAGGTGGAGTGGCTGTTTTTAAGTTGTTTTACAGATACGGAACAGTCCAAAAATG 834
| | | |
Db 115 TGCAGGTGGAGTGGCTGTTTTTAAGTTGTTTTACAGATACGGAACAGTCCAAAAATG 56

Qy 835 GGATTATATAATTCTTTTTTGCATTATAAATAAGATCCTCTGTAAAC 881
| | | |
Db 55 GGATTATATAATTCTTTTTTGCATTATAAATAAGATCCTCTGTAAAC 9

: Sequence 91954, Application US/11443428A

```

; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91954
; LENGTH: 1237
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-443-428A-91954

```

```

Query Match          78.8%; Score 694.2; DB 28; Length 1237;
Best Local Similarity 98.9%; Pred. No. 1.9e-189;
Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

| | | | |
|----|-----|--|-----|
| Qy | 175 | ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG | 234 |
| Db | 528 | ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG | 587 |
| Qy | 235 | GCCCCCGTCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC | 294 |
| Db | 588 | GCCCCCGTCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC | 647 |
| Qy | 295 | CCCACGGGCATGATGTGTCGCGAGGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG | 354 |
| Db | 648 | CCCACGGGCATGATGTGTCGCGAGGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG | 707 |
| Qy | 355 | TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT | 414 |
| Db | 708 | TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT | 767 |
| Qy | 415 | GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA | 474 |
| Db | 768 | GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGGCGTGGCTGCCTGGAGCA | 827 |
| Qy | 475 | GGTGTGCTGAATACCTTGGATGGGAAGTGGAGCAACCCGGGCTCCGCTCAGAGAGACGT | 534 |
| Db | 828 | GGTGTGCTGAATACCTTGGATGGGAAGTGGAGCAACCCGGGCTCCGCTCAGAGAGACGT | 887 |
| Qy | 535 | GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCAGGCCCGCCG | 594 |
| Db | 888 | GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCAGGCCCGCCG | 947 |

| | | | |
|----|------|--|------|
| Qy | 595 | TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA | 654 |
| | | | |
| Db | 948 | TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA | 1007 |
| Qy | 655 | GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC | 714 |
| | | | |
| Db | 1008 | GCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC | 1067 |
| Qy | 715 | TCCAGAGCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT | 774 |
| | | | |
| Db | 1068 | TCCAGAGCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT | 1127 |
| Qy | 775 | TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG | 834 |
| | | | |
| Db | 1128 | TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG | 1187 |
| Qy | 835 | GGATTATAATTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC | 881 |
| | | | |
| Db | 1188 | GGATTATAATTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC | 1234 |

RESULT 7

US-11-433-832-45208

; Sequence 45208, Application US/11433832

; Publication No. US20070072175A1

; GENERAL INFORMATION:

; APPLICANT: Cooper, Matthew

; APPLICANT: Kinch, Deborah

; APPLICANT: Rosenberg, Michael

; APPLICANT: Subramaniam, S. Sai

; APPLICANT: Szak, Suzanne

; APPLICANT: Li, Huo

; APPLICANT: Bandaru, Raj

; APPLICANT: Derbel, Maher

; TITLE OF INVENTION: Nucleotide Array Containing Polynucleotide Probes Complementary to,

or

; TITLE OF INVENTION: Fragments of, Cynomolgus Monkey Genes and the Use Thereof

; FILE REFERENCE: 2159.0290002

; CURRENT APPLICATION NUMBER: US/11/433,832

; CURRENT FILING DATE: 2006-05-15

; NUMBER OF SEQ ID NOS: 48714

; SOFTWARE: Patent Sequence Analysis Tool Version 1.0

; SEQ ID NO 45208

; LENGTH: 1239

; TYPE: DNA

; ORGANISM: Homo Sapiens

US-11-433-832-45208

Query Match 78.8%; Score 694.2; DB 27; Length 1239;

Best Local Similarity 98.9%; Pred. No. 1.9e-189;

Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

| | | | |
|----|-----|---|-----|
| Qy | 175 | ATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAG | 234 |
| | | | |
| Db | 528 | ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACGACGAG | 587 |
| Qy | 235 | GCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC | 294 |

```

Db      588  |||||
GCCCCCGTCTCGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCCACC 647

Qy      295  CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 354
|||||

Db      648  CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG 707

Qy      355  TCGTGCCCGAGATGATGGAGAAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT 414
|||||

Db      708  TCGTGCCCGAGATGATGGAGAAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCT 767

Qy      415  GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA 474
|||||

Db      768  GGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA 827

Qy      475  GGTGTGCTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCCTCCGCTCAGAGAGACGT 534
|||||

Db      828  GGTGTGCTGAATACCTGGATGGGAACCTGAGCGAACCCGGGCCCTCCGCTCAGAGAGACGT 887

Qy      535  GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCCGC 594
|||||

Db      888  GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCCCGC 947

Qy      595  TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 654
|||||

Db      948  TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA 1007

Qy      655  GCGCCATGGTCTTGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC 714
|||||

Db      1008 GCGCCATGGTCTTGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC 1067

Qy      715  TCCAGGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT 774
|||||

Db      1068 TCCAGGCCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT 1127

Qy      775  TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTACAGATACGGAACAGTCCAAAATG 834
|||||

Db      1128 TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTACAGATACGGAACAGTCCAAAATG 1187

Qy      835  GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
|||||

Db      1188 GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 1234

```

RESULT 8

US-11-443-428A-91956

; Sequence 91956, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hanqing

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91956
; LENGTH: 1408
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-443-428A-91956

Query Match 78.8%; Score 694.2; DB 28; Length 1408;
Best Local Similarity 98.9%; Pred. No. 2e-189;
Matches 699; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

| | | | |
|----|------|--|------|
| Qy | 175 | ATGTCCTGCCTGAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG | 234 |
| Db | 528 | ACGCCTGGCTTCTCAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAG | 587 |
| Qy | 235 | GCCCCCGTCTGACGACAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC | 294 |
| Db | 588 | GCCCCCGTCTGACGACAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCACC | 647 |
| Qy | 295 | CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG | 354 |
| Db | 648 | CCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGG | 707 |
| Qy | 355 | TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT | 414 |
| Db | 708 | TCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCT | 767 |
| Qy | 415 | GGCTGGCTCTGTCTCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA | 474 |
| Db | 768 | GGCTGGCTCTGTCTCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCA | 827 |
| Qy | 475 | GGTGTGCTGAATACCTGGATGGGAAGTGGAGCAACCCGGGCCCTCCGCTCAGAGAGACGT | 534 |
| Db | 828 | GGTGTGCTGAATACCTGGATGGGAAGTGGAGCAACCCGGGCCCTCCGCTCAGAGAGACGT | 887 |
| Qy | 535 | GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCG | 594 |
| Db | 888 | GGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCG | 947 |
| Qy | 595 | TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA | 654 |
| Db | 948 | TGAGTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGA | 1007 |
| Qy | 655 | GCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC | 714 |
| Db | 1008 | GCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCC | 1067 |
| Qy | 715 | TCCAGCCCCCAGGGCTGTGCAACACATGCCCTTGCATGAAGACCAACAAGAACTTCT | 774 |

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Db          1068 TCCAGCCCCCAGGGCTGTGCAACACATGCCCTGCCATAAGCACCAACAAGAACTTCT 1127
Qy          775 TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG 834
          |||
Db          1128 TGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATG 1187
Qy          835 GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
          |||
Db          1188 GGATTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 1234

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RESULT 9

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US-11-443-428A-91958
; Sequence 91958, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91958
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-443-428A-91958

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```

Query Match          76.9%; Score 677.2; DB 28; Length 995;
Best Local Similarity 85.9%; Pred. No. 1.4e-184;
Matches 813; Conservative 0; Mismatches 68; Indels 65; Gaps 3;

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Qy          1 GGGCCATGACCCCCGCTGCTGTCTTGTGAGGCTCGTCGCGCGGGCCCCCGAGCCCGAC 60
          |||
Db          47 GGGCCATGACCCCCGCTGCTGTCTTGTGAGGCTCGTCGCGCGGGCCCCCGAGCCCGAC 106
Qy          61 CGCGCGCGCCACCAACCACCAAGCGCCCGGGCGGCCTCGCGCGCCTCGGGCGGGCTCCGC 120
          |||
Db          107 CGCGCGCGCCACCAACCACCAAGCGCGCCCGTGGTCGGGCGCCTTCGACAGCCCGCGTTC 166
Qy          121 -----AGTG 124
          |||
Db          167 GGGGGCGCGGGGCATCCCGCCAAGGTGTTGAGGTCCCCACCCAAACCCAAAAAAGGG 226
Qy          125 AGCCACCAAGAAGGAAGCGGCCTGCAGAG---GTGCCGACATGGGGCTTAAGATGTCCT 181
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US-10-172-118-2531/c
; Sequence 2531, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue

; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 2531
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Contig53296
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-2531

Query Match 69.4%; Score 611; DB 8; Length 614;
Best Local Similarity 100.0%; Pred. No. 1.7e-165;
Matches 611; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
|----|-----|--|-----|
| Qy | 271 | GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC | 330 |
| | | | |
| Db | 614 | GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC | 555 |
| Qy | 331 | ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC | 390 |
| | | | |
| Db | 554 | ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC | 495 |
| Qy | 391 | TGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGCCCGCTTCAGGTGT | 450 |
| | | | |
| Db | 494 | TGAGGAGGTGTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGCCCGCTTCAGGTGT | 435 |
| Qy | 451 | CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAATGAGCGAAC | 510 |
| | | | |
| Db | 434 | CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAATGAGCGAAC | 375 |
| Qy | 511 | CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACACGCGAGGAATCCAGCCTGTCCACTTCC | 570 |
| | | | |
| Db | 374 | CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACACGCGAGGAATCCAGCCTGTCCACTTCC | 315 |
| Qy | 571 | AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACTCCAGGTTCTTG | 630 |
| | | | |
| Db | 314 | AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACTCCAGGTTCTTG | 255 |
| Qy | 631 | CTGACTCCGGCCTGGTGAAAGGAGCGCCATGGTCTTGCTGTTGGGGTCCAGGGAGAG | 690 |
| | | | |
| Db | 254 | CTGACTCCGGCCTGGTGAAAGGAGCGCCATGGTCTTGCTGTTGGGGTCCAGGGAGAG | 195 |
| Qy | 691 | GCTCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAAAACATGCCCTTG | 750 |
| | | | |

```

Db          194 GCTCTCTTCTGGACAAACACACCCCTCCAGCCCCCAGGGCTGTGCAAAACACATGCCCTTG 135
Qy          751 CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTA 810
            |||
Db          134 CCATAAGCACCAACAAGAACTTCTTGCAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTA 75
Qy          811 CAGATACGGAACAGTCCAAAATGGGATTATAAATTTCTTTTTGCATTATAAATAAGA 870
            |||
Db          74  CAGATACGGAACAGTCCAAAATGGGATTATAAATTTCTTTTTGCATTATAAATAAGA 15
Qy          871 TCCTCTGTAAC 881
            |||
Db          14  TCCTCTGTAAC 4

```

RESULT 11

US-10-342-887-2531/c

; Sequence 2531, Application US/10342887

; Publication No. US20040058340A1

; GENERAL INFORMATION:

; APPLICANT: Dai, Hongyue

; APPLICANT: He, Yudong

; APPLICANT: Linsley, Peter S.

; APPLICANT: Mao, Mao

; APPLICANT: Roberts, Christopher J.

; APPLICANT: Van 't Veer, Laura Johanna

; APPLICANT: Van de Vijver, Marc J.

; APPLICANT: Bernards, Rene

; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients

; FILE REFERENCE: 9301-188-999

; CURRENT APPLICATION NUMBER: US/10/342,887

; CURRENT FILING DATE: 2003-01-15

; PRIOR APPLICATION NUMBER: 60/298,918

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: 60/380,710

; PRIOR FILING DATE: 2002-05-14

; PRIOR APPLICATION NUMBER: 10/172,118

; PRIOR FILING DATE: 2002-06-14

; NUMBER OF SEQ ID NOS: 2699

; SEQ ID NO 2531

; LENGTH: 614

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-342-887-2531

Query Match 69.4%; Score 611; DB 9; Length 614;

Best Local Similarity 100.0%; Pred. No. 1.7e-165;

Matches 611; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy          271 GACATCATCATCAGCCCCCACCACCGGGCATGATGCTGCCAGGGGACTTGGGGAGC 330
            |||
Db          614 GACATCATCATCAGCCCCCACCACCGGGCATGATGCTGCCAGGGGACTTGGGGAGC 555
Qy          331 ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC 390
            |||
Db          554 ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC 495

```

| | | | |
|----|-----|---|-----|
| Qy | 391 | TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCGGCTTCAGGTGT | 450 |
| | | | |
| Db | 494 | TGAGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCGGCTTCAGGTGT | 435 |
| Qy | 451 | CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCCTGGATGGGAAC | 510 |
| | | | |
| Db | 434 | CCGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCCTGGATGGGAAC | 375 |
| Qy | 511 | CCGGGCCCTCCGCTCAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC | 570 |
| | | | |
| Db | 374 | CCGGGCCCTCCGCTCAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC | 315 |
| Qy | 571 | AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCCTTG | 630 |
| | | | |
| Db | 314 | AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGGACCTCTGACACCTCCAGGTTCCTTG | 255 |
| Qy | 631 | CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAG | 690 |
| | | | |
| Db | 254 | CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTGGCTGTTGGGGTCCCAGGGAGAG | 195 |
| Qy | 691 | GCTCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTTG | 750 |
| | | | |
| Db | 194 | GCTCTCTTCTGGACAAACACACCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTTG | 135 |
| Qy | 751 | CCATAAGCACCAACAAGAACTTCTTGCAAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTA | 810 |
| | | | |
| Db | 134 | CCATAAGCACCAACAAGAACTTCTTGCAAGGTGGAGTGGCTGTTTTTATAAGTTGTTTTA | 75 |
| Qy | 811 | CAGATACGGAAACAGTCCAAAATGGGATTATAAATTCCTTTTTTGCAATTATAAATAAAGA | 870 |
| | | | |
| Db | 74 | CAGATACGGAAACAGTCCAAAATGGGATTATAAATTCCTTTTTTGCAATTATAAATAAAGA | 15 |
| Qy | 871 | TCCTCTGTAAAC | 881 |
| | | | |
| Db | 14 | TCCTCTGTAAAC | 4 |

RESULT 12

US-10-302-689A-6733

; Sequence 6733, Application US/10302689A

; Publication No. US20080050393A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Asundi, Vinod

; APPLICANT: Ballinger, Dennis

; APPLICANT: Labat, Ivan

; APPLICANT: Leshkowitz, Dena

; APPLICANT: Liu, Jin

; APPLICANT: Loeb, Deborah

; APPLICANT: Montgomery, Julia, R.

; APPLICANT: Pace, Ann M.

; APPLICANT: Sheridan, James P.

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 502CIP

; CURRENT APPLICATION NUMBER: US/10/302,689A

; CURRENT FILING DATE: 2002-11-22

```

; PRIOR APPLICATION NUMBER: 10/273,573
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: 10/084,643
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 09/989,660
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 10/014,487
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: 09/952,981
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/905,059
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/898,888
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 09/919,002
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 09/770,160
; PRIOR FILING DATE: 2001-01-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158931
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 6733
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-302-689A-6733

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Query Match 66.3%; Score 584; DB 19; Length 601;
 Best Local Similarity 100.0%; Pred. No. 1.1e-157;
 Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      298  ACGGGCATGATGCTGCCAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCG 357
        |||
Db      1   ACGGGCATGATGCTGCCAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCG 60

Qy      358  TGCCACAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGC 417
        |||
Db      61  TGCCACAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGC 120

Qy      418  TGGCTCCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGT 477
        |||
Db      121 TGGCTCCTGTCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGT 180

Qy      478  GTGCTGAATACCTGGATGGGAACTGAGCGAACC CGGGCCCTCCGCTCAGAGAGACGTGGC 537
        |||
Db      181 GTGCTGAATACCTGGATGGGAACTGAGCGAACC CGGGCCCTCCGCTCAGAGAGACGTGGC 240

Qy      538  AGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCAGGCCCGGCTGA 597
        |||
Db      241 AGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTCCAGGCCCGGCTGA 300

Qy      598  GTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCG 657
        |||
Db      301 GTGGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTGAAAGGGAGCG 360

```

| | | | |
|----|-----|--|-----|
| Qy | 658 | CCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCCTCC | 717 |
| | | | |
| Db | 361 | CCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCCCTCC | 420 |
| Qy | 718 | CAGCCCCCAGGGCTGTGCAAAACACATGCCCCCTGCCATAAGCACCAACAAGAACTTCTTGC | 777 |
| | | | |
| Db | 421 | CAGCCCCCAGGGCTGTGCAAAACACATGCCCCCTGCCATAAGCACCAACAAGAACTTCTTGC | 480 |
| Qy | 778 | AGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGA | 837 |
| | | | |
| Db | 481 | AGGTGGAGTGGCTGTTTTTATAAGTTGTTTTACAGATACGGAAACAGTCCAAAATGGGA | 540 |
| Qy | 838 | TTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC | 881 |
| | | | |
| Db | 541 | TTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC | 584 |

RESULT 13

US-10-302-689A-48447

; Sequence 48447, Application US/10302689A

; Publication No. US20080050393A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Asundi, Vinod

; APPLICANT: Ballinger, Dennis

; APPLICANT: Labat, Ivan

; APPLICANT: Leshkowitz, Dena

; APPLICANT: Liu, Jin

; APPLICANT: Loeb, Deborah

; APPLICANT: Montgomery, Julia, R.

; APPLICANT: Pace, Ann M.

; APPLICANT: Sheridan, James P.

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 502CIP

; CURRENT APPLICATION NUMBER: US/10/302,689A

; CURRENT FILING DATE: 2002-11-22

; PRIOR APPLICATION NUMBER: 10/273,573

; PRIOR FILING DATE: 2002-10-18

; PRIOR APPLICATION NUMBER: 10/084,643

; PRIOR FILING DATE: 2002-02-26

; PRIOR APPLICATION NUMBER: 09/989,660

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: 10/014,487

; PRIOR FILING DATE: 2001-11-08

; PRIOR APPLICATION NUMBER: 09/952,981

; PRIOR FILING DATE: 2001-09-14

; PRIOR APPLICATION NUMBER: 09/922,279

; PRIOR FILING DATE: 2001-08-03

; PRIOR APPLICATION NUMBER: 09/905,059

; PRIOR FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: 09/898,888

; PRIOR FILING DATE: 2001-07-03

; PRIOR APPLICATION NUMBER: 09/919,002

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 09/770,160

; PRIOR FILING DATE: 2001-01-26

```

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158931
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 48447
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-302-689A-48447

```

```

Query Match          66.3%; Score 584; DB 19; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.1e-157;
Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      298 ACGGGCATGATGCTGCCGAGGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCG 357
        |||
Db      1   ACGGGCATGATGCTGCCGAGGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCG 60

Qy      358 TGCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGC 417
        |||
Db      61 TGCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGGTTTGGCTGGC 120

Qy      418 TGGCTCCTGCTCCAGCGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGT 477
        |||
Db      121 TGGCTCCTGCTCCAGCGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCCTGGAGCAGGT 180

Qy      478 GTGCTGAATACCTCGATGGGAACTGAGCGAACCCGGGCTCCGCTCAGAGAGACGTGGC 537
        |||
Db      181 GTGCTGAATACCTCGATGGGAACTGAGCGAACCCGGGCTCCGCTCAGAGAGACGTGGC 240

Qy      538 AGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGA 597
        |||
Db      241 AGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCAGGCCCGCTGA 300

Qy      598 GTGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTAAAGGGAGCG 657
        |||
Db      301 GTGACCGGACCTCTGACACCTCCAGGTTCTTGCTGACTCCGGCCTGGTAAAGGGAGCG 360

Qy      658 CCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTTCC 717
        |||
Db      361 CCATGGTCCTGGCTGTTGGGGTCCCAGGGAGAGGCTCTCTTCTGGACAAACACACCTTCC 420

Qy      718 CAGCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGC 777
        |||
Db      421 CAGCCCCAGGGCTGTGCAAAACACATGCCCTGCCATAAGCACCAACAAGAACTTCTTGC 480

Qy      778 AGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAACAGTCCAAAATGGGA 837
        |||
Db      481 AGGTGGAGTGGCTGTTTTTTATAAGTTGTTTTACAGATACGGAACAGTCCAAAATGGGA 540

Qy      838 TTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 881
        |||
Db      541 TTTATAATTTCTTTTTTGCATTATAAATAAAGATCCTCTGTAAC 584

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RESULT 14
US-11-996-839-168
; Sequence 168, Application US/11996839

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; Publication No. US20090012024A1
; GENERAL INFORMATION:
; APPLICANT: Procure Therapeutics Limited
; TITLE OF INVENTION: Stem Cell Specific Markers
; FILE REFERENCE: P110830WO
; CURRENT APPLICATION NUMBER: US/11/996,839
; CURRENT FILING DATE: 2008-09-11
; PRIOR APPLICATION NUMBER: 0515305.1
; PRIOR FILING DATE: 2005-07-26
; NUMBER OF SEQ ID NOS: 452
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 168
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-996-839-168
```

Query Match 49.1%; Score 433; DB 33; Length 447;
 Best Local Similarity 100.0%; Pred. No. 4.7e-114;
 Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
|----|-----|--|-----|
| Qy | 1 | GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCCGAC | 60 |
| | | | |
| Db | 15 | GGGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCCGAC | 74 |
| Qy | 61 | CGCCGCCGCCACCAACCACAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC | 120 |
| | | | |
| Db | 75 | CGCCGCCGCCACCAACCACAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC | 134 |
| Qy | 121 | AGTGAGCCCAACCAAGAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 180 |
| | | | |
| Db | 135 | AGTGAGCCCAACCAAGAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCC | 194 |
| Qy | 181 | TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC | 240 |
| | | | |
| Db | 195 | TGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCC | 254 |
| Qy | 241 | GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCCACCCCCACG | 300 |
| | | | |
| Db | 255 | GTCCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCCACCCCCACG | 314 |
| Qy | 301 | GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC | 360 |
| | | | |
| Db | 315 | GGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGATGAGACAGGGTCGTGC | 374 |
| Qy | 361 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 420 |
| | | | |
| Db | 375 | CCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCTGGGTTTGGCTGGCTGG | 434 |
| Qy | 421 | CTCCTGTCTCCAGC | 433 |
| | | | |
| Db | 435 | CTCCTGTCTCCAGC | 447 |

RESULT 15
 US-09-954-456-566
 ; Sequence 566, Application US/09954456


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; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer
Gene
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 566
; LENGTH: 574
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: n=a,t,g or c
US-09-954-456-566

```

```

Query Match          41.7%; Score 367; DB 3; Length 574;
Best Local Similarity 88.8%; Pred. No. 6.5e-95;
Matches 491; Conservative 0; Mismatches 42; Indels 20; Gaps 8;

```

```

Qy      348 GACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 407
          |||
Db      7   GACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCCTGAGGAGGTGTCCTGGG 66

Qy      408 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCC 467
          |||
Db      67 TTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCCGGGGCGTGGCTGCC 126

Qy      468 TGGAGCAGGTGTGCTGAATACCCCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGA 527
          |||
Db      127 TGGAGCAGGTGTGCTGAATACCCCTGGATGGGAACCTGAGCGAACC CGGCCTCCGCTCAGA 186

Qy      528 GAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCCAGACAGTGTTC CAG 587

```

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Db      187  |||||GAGACGTGGCAGGACCGAGCGAGGAATCCAGCCTGTCCACTTCCAGAACAGTGTTTCCCAN 246
Qy      588  GCCCCGCTGAGTGGACCGGACCTCTGACACCTCC-AGGTTCTTGCTGACTCCGGCCTGGT 646
Db      247  |||||GCCCCGCTNAGTGGACCGGACCTCTGACACCTCCAAGGTTCTTGCTGACTCCGGCCTGGT 306
Qy      647  GAAAGGG-AGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGA--GAGGCTCTCTTCT-GG 702
Db      307  |||||GAAAGGGAAGCGCCATGGTCCTGGCTGTTGGGGTCCCAGGGAAGAAGGCTCTCTTCTNNG 366
Qy      703  ACAAAACACACCTCCAGCCCCAGGGCTGT---GCAAACACATGCCCTGCCATAAGCA 759
Db      367  |||||ACAAACACACCTCCAGCCCCAGGGCTGTGTGCAAAACACATTGCCCTTGCCATAAAGC 426
Qy      760  CCAACAAGAACTTCTTGACGGTGGAGTG-----GCTGTTTTTTATAAGTTGTTTTA 810
Db      427  |||||ACCAAAACAAGAACTTCTTTGACGGTGGAGTGGGCTGTTTTTAATAAAGTTGTTTTA 486
Qy      811  CAGA-TACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTT--GCATTATAAATAA 867
Db      487  |||||CAGATTACGGAACAGTTCAAAATGGGATTTATAATTTCTTTTTTGCAATAATAAATAA 546
Qy      868  AGATCCTCTGTAA 880
Db      547  |||||AGATCCTCTGTTA 559

```

Search completed: May 19, 2009, 22:57:25
Job time : 10532 secs

SCORE 3.0